



Dell PowerVault Tape and Removable Disk Drives

Dell™ PowerVault™ tape and removable disk drives for backing up your critical data

	Entry	Midrange	Performance	
Highlights	<ul style="list-style-type: none"> • Essential capacity • Low cost • Basic data protection 	<ul style="list-style-type: none"> • Great value • Moderate performance • Media compatibility 	<ul style="list-style-type: none"> • High capacity • Excellent performance • Interchange tapes with tape library 	
Product name	PowerVault RD1000	PowerVault LTO-4	PowerVault LTO-5	PowerVault LTO-6
Description	Rugged, removable disk media offering increased portability and durability over standard external USB-based hard drives	Midrange drive with up to 800GB (native), capacity and performance, up to 432GB/hr (native) ¹ , drive-level encryption	High performance (140MB/s), with up to 1.5 TB (native), drive-level encryption, LTFS	High performance (160MB/s), more capacity than previous LTO generations, 2.5TB (native), drive-level encryption, LTFS
Features				
Drive technology	RD1000	LTO-4	LTO-5	LTO-6
Internal/external	Both	Both	Both	Both
Media	Removable disk drive	LTO-4 LTO-4 Write-once-read-many (WORM) LTO-3 LTO-3 WORM LTO-2 (read only)	LTO-5 LTO-5 WORM LTO-4 LTO-4 WORM LTO-3 (read only) LTO-3 WORM (read only)	LTO-6 LTO-6 WORM LTO-5 LTO-5 WORM LTO-4 (read only) LTO-4 WORM (read only)
Native capacity¹	320GB, 500GB, 750GB, 1TB, 1.5TB	Up to 800GB	Up to 1.5TB	Up to 2.5TB
Backup rate²	30MB/s internal 80MB/s external ³	120MB/s 432GB/hr	140MB/s 504GB/hr	160MB/s 576GB/hr
Security	None	WORM Device-level encryption	WORM Device-level encryption	WORM Device-level encryption
Interface	SATA or USB 3.0	Serial Attached SCSI (SAS) at 6Gbit/sec	SAS at 6Gbit/sec	SAS at 6Gbit/sec
Software supported	Quest® NetVault® Backup, Symantec® Backup Exec™, CommVault® Simpana® See Dell PowerVault Compatibility Matrix for detailed compatibility information			
Supported operating systems	Microsoft® Windows Server® 2012, Microsoft Windows Server 2008, Microsoft Windows Server 2003, Red Hat® Enterprise Linux®, SUSE Linux Enterprise Server See Dell PowerVault Compatibility Matrix for detailed compatibility information			

Tape Rack Enclosure				
Highlights	<ul style="list-style-type: none"> • Rack-optimized backup solution holds up to two LTO drives and up to four RD1000 drives • Ideal for backup and recovery of rack-dense servers • Great for workgroup and departmental environments 			
Product name	PowerVault 114X RD1000	PowerVault 114X LTO-4	PowerVault 114X LTO-5	PowerVault 114X LTO-6
Description	Ideal for customers who require multi-drive, rack-optimized data protection that can be externally connected to a server. Consider capacity, backup rate and interface when purchasing rackable units.			
Features				
Drive technology	RD1000	LTO-4	LTO-5	LTO-6
Internal/external	External rack	External rack	External rack	External rack
Form factor	2U	2U	2U	2U
Media	Removable disk drive	LTO-4 LTO-3 LTO-3 WORM LTO-2 (read only)	LTO-5 LTO-5 WORM LTO-4 LTO-4 WORM LTO-3 (read only) LTO-3 WORM (read only)	LTO-6 LTO-6 WORM LTO-5 LTO-5 WORM LTO-4 (read only) LTO-4 WORM (read only)
Native capacity¹	320GB, 500GB, 750GB, 1TB, 1.5TB	Up to 800GB per cartridge	Up to 1.5TB per cartridge	Up to 2.5TB per cartridge
Backup rate per drive²	80MB/s ³	Up to 120MB/sec, 432GB/hr	Up to 140MB/sec, 504GB/hr	Up to 160MB/sec, 576GB/hr
Security	None	WORM Device-level encryption	WORM Device-level encryption	WORM Device-level encryption
Interface	USB 3.0	SAS at 6Gbit/sec	SAS at 6Gbit/sec	SAS at 6Gbit/sec
Software supported	Quest NetVault Backup, Symantec Backup Exec, CommVault Simpana See Dell PowerVault Compatibility Matrix for detailed compatibility information			
Supported operating systems	Microsoft Windows Server 2012, Microsoft Windows Server 2008, Microsoft Windows Server 2003, Red Hat Enterprise Linux, Novell SUSE Linux Enterprise Server See Dell PowerVault Compatibility Matrix for detailed compatibility information			

¹GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.

²Actual performance is dependent on settings, user environment, and applications.

³RD1000 USB 3.0 typical transfer rate of 80MB/s requires a USB 3.0 Host and USB 3.0 cable. If a USB 2.0 Host is used, performance may be limited to up to 30MB/s.

Simplify data backup at Dell.com/storage

